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RAW SEQUENCE LISTING                  DATE: 02/11/2002
PATENT APPLICATION:  US/09/972,758    TIME: 09:29:31

Input Set : A:\277084004.ST25.txt
Output Set: N:\CRF3\02112002\I972758.raw

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 3 <110> APPLICANT: Case Western Reserve University
 4         Montano, Monica
 5         Wittman, Bryan
 7 <120> TITLE OF INVENTION: Suppressors of Human Breast Cancer Cell Growth
 9 <130> FILE REFERENCE: 27708/04004
11 <140> CURRENT APPLICATION NUMBER: US 09/972758
12 <141> CURRENT FILING DATE: 2001-10-05
14 <150> PRIOR APPLICATION NUMBER: US 60/238,187
15 <151> PRIOR FILING DATE: 2000-10-05
17 <160> NUMBER OF SEQ ID NOS: 2
19 <170> SOFTWARE: PatentIn version 3.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1080
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
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31 cccgaggagg acagtaggtg gcaatcgaga gcgttccccc agttgggtgg ccgtccgggg     180
33 ccggaggggg aagggagcct ggaatcccaa ccacctccct tgcagaccca ggcctgtcca     240
35 gaatctagct gcctgagaga gggcgagaag ggccagaatg gggacgactc gtccgctggc     300
37 ggcgacttcc cgccgccggc agaagtggaa ccgacgcccg aggccgagct gctcgcccag     360
39 ccttgtcatg actccgaggc cagtaagttg ggggctcctg ccgcaggggg cgaagaggag     420
41 tggggacagc agcagagaca gctggggaag aaaaaacata agagacgccc gtccaagaag     480
43 aagcggcatt ggaaaccgta ctacaagctg aactgggaag agaagaaaaa gttcgacgag     540
45 aaacagagcc ttcgagcttc aaggatccga gccgagatgt tcgccaaggg ccagccggtc     600
47 gcgccctata acaccacgca gttcctcatg gatgatcacg accaggagga gccggatctc     660
49 aaaaccggcc tgtactccaa gcgggccgcc gccaaatccg acgacaccag cgatgacgac     720
51 ttcatggaag aaggggggtga ggaggatggg ggcagcgatg ggatgggagg ggacggcagc     780
53 gagtttctgc agcgggactt ctcggagacg tacgagcggt accacacgga gagcctgcag     840
55 aacatgagca agcaggagct catcaaggag tacctggaac tggagaagtg cctctcgcgc     900
57 atggaggacg agaacaaccg gctgcggctg gagagcaagc ggctgggtgg cgacgacgcg     960
59 cgtgtgcggg agctggagct ggagctggac cggctgcgcg ccgagaacct ccagctgctg    1020
61 accgagaacg aactgcaccg gcagcaggag cgagcgccgc tttccaagtt tggagactag    1080
64 <210> SEQ ID NO: 2
65 <211> LENGTH: 359
66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 2
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72 1               5                   10                  15
74 Asn Cys Thr Gly Ala Ala Ala Val Gln Glu Glu Leu Asn Pro Glu Arg
75             20                  25                  30
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77 Pro Pro Gly Ala Glu Glu Arg Val Pro Glu Glu Asp Ser Arg Trp Gln
78         35                  40                  45
80 Ser Arg Ala Phe Pro Gln Leu Gly Gly Arg Pro Gly Pro Glu Gly Glu
81      50                  55                  60
83 Gly Ser Leu Glu Ser Gln Pro Pro Pro Leu Gln Thr Gln Ala Cys Pro
84 65                  70                  75                  80
86 Glu Ser Ser Cys Leu Arg Glu Gly Glu Lys Gly Gln Asn Gly Asp Asp
87              85                  90                  95
89 Ser Ser Ala Gly Gly Asp Phe Pro Pro Pro Ala Glu Val Glu Pro Thr
90              100                 105                 110
92 Pro Glu Ala Glu Leu Leu Ala Gln Pro Cys His Asp Ser Glu Ala Ser
93         115                 120                 125
95 Lys Leu Gly Ala Pro Ala Ala Gly Gly Glu Glu Glu Trp Gly Gln Gln
96      130                 135                 140
98 Gln Arg Gln Leu Gly Lys Lys Lys His Arg Arg Arg Pro Ser Lys Lys
99 145                 150                 155                 160
101 Lys Arg His Trp Lys Pro Tyr Tyr Lys Leu Thr Trp Glu Glu Lys Lys
102              165                 170                 175
104 Lys Phe Asp Glu Lys Gln Ser Leu Arg Ala Ser Arg Ile Arg Ala Glu
105              180                 185                 190
107 Met Phe Ala Lys Gly Gln Pro Val Ala Pro Tyr Asn Thr Thr Gln Phe
108          195                 200                 205
110 Leu Met Asp Asp His Asp Gln Glu Glu Pro Asp Leu Lys Thr Gly Leu
111      210                 215                 220
113 Tyr Ser Lys Arg Ala Ala Ala Lys Ser Asp Asp Thr Ser Asp Asp Asp
114 225                 230                 235                 240
116 Phe Met Glu Glu Gly Gly Glu Glu Asp Gly Gly Ser Asp Gly Met Gly
117              245                 250                 255
119 Gly Asp Gly Ser Glu Phe Leu Gln Arg Asp Phe Ser Glu Thr Tyr Glu
120              260                 265                 270
122 Arg Tyr His Thr Glu Ser Leu Gln Asn Met Ser Lys Gln Glu Leu Ile
123          275                 280                 285
125 Lys Glu Tyr Leu Glu Leu Glu Lys Cys Leu Ser Arg Met Glu Asp Glu
126      290                 295                 300
128 Asn Asn Arg Leu Arg Leu Glu Ser Lys Arg Leu Gly Gly Asp Asp Ala
129 305                 310                 315                 320
131 Arg Val Arg Glu Leu Glu Leu Glu Leu Asp Arg Leu Arg Ala Glu Asn
132              325                 330                 335
134 Leu Gln Leu Leu Thr Glu Asn Glu Leu His Arg Gln Gln Glu Arg Ala
135          340                 345                 350
137 Pro Leu Ser Lys Phe Gly Asp
138      355
```

**VERIFICATION SUMMARY**                    DATE: 02/11/2002
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